



"Hodnotenie e-governmentu na celom svete z pohľadu UNO".





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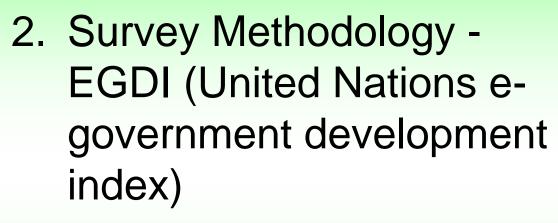
Agenda





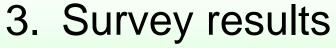














4. Strategic recommendations



5. Resume



Courtesy of United Nations



- The information in this presentation in given with courtesy of United Nations.
- Original source: United Nations E-government survey 2010
- http://unpan1.un.org/intradoc/groups/public/documents/unpan038851.pdf

 http://www2.unpan.org/egovkb/datacenter/CountryView. aspx







- VÚS or Výskumný ústav spojov, nezisková organizácia or Research Institute of Posts and Telecommunications, non-profit organization.
- Independent (not influenced by commercial interests) non-profit organization aimed at public welfare interests. It has experience in e-government and intelligent transport systems. ISO 9001 holder.
- Preparation of crucial strategic, conceptual, legislative and technical documents for e-government (top level).
- In e-goverment active since 2000. Addressees are predominantly from the central ministry which is responsible for e-government introduction in Slovakia on the top level.
- A member of working group at European Commission which evaluated e-government progress within initiative eEurope 2003+.
- More on http://www.vus.sk



Survey Methodology



- The United Nations e-government development index (EGDI) is a comprehensive scoring of the willingness and capacity of national administrations to use online and mobile technology in the execution of government functions.
- It is based on a comprehensive survey of the online presence of all **192** Member States.



Survey Methodology



- The e-government development index is **not** designed to capture e-government development in an **absolute sense**.
- Rather, the index rates the performance of national governments relative to one another. he maximum possible value is one and the minimum is zero.



The United Nations e-government development index



Mathematically, the EDGI is a weighted average of three normalized scores on the most important dimensions of e-government, namely:

- 1. scope and quality of online services,
- 2. telecommunication connectivity, and
- human capacity.

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EGDI =
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- (0.34 × online service index) +
- (0.33 × telecommunication index) +
- (0.33 × human capital index)



Online service index (1/3)



- To arrive at a set of online service index values, the research team assessed each country's national website as well as the websites of the ministries of education, labour, social services, health and finance. Associated portals and subsidiary websites were considered part and parcel of the parent sites and taken into consideration when assigning values to survey responses.
- Among other things, the national sites were tested for a minimal level of Web content accessibility as described in the Web Content Accessibility Guidelines of the World Wide Web Consortium.



Online service index (1/3)



- The value for a given country is equal to the total number of points scored by that country less the lowest score for any country divided by the range of values for all countries in the survey. For example, if country "x" were to score 233, with the lowest score of any country equal to 20 and the highest equal to 403, then the online services value for country "x" would be:
- Online service index (country "x") = (233-20)/(403-20) = 0.5561



Online service index (1/3)



 The research team followed a citizen-centric approach to assessment of online services, among other things by putting themselves in the place of the average user. thus, responses were generally based on whether the relevant feature(s) could be found and accessed easily, not whether they in fact exist. As the number of national websites grows, this becomes increasingly important. While it is possible, although implausible, to spend hours browsing a government website meticulously for all content and features, this approach misses the key point that for information and services to be "usable" they must be readily discoverable by the intended beneficiaries.



Telecommunication index (2/3)



- The telecommunication infrastructure index is a composite of five indicators:
- 1. number of personal computers per 100 persons,
- 2. number of Internet users per 100 persons,
- 3. number of telephone lines per 100 persons,
- number of mobile cellular subscriptions per 100 persons and
- 5. number of fixed broadband subscribers per 100 persons.







- Each of these indicators was normalized by taking its value for a given country subtracting the lowest value for any country in the survey and dividing by the range of values for all countries. For example, if country "x" were to have 36.69 Internet users per 100 inhabitants, with the lowest value of any country equal to 0 and the highest equal to 88.87, then the normalized value of this indicator for country "x" would be given by:
- Internet penetration index (country "x") = (36.69-0)/(88.87-0) = 0.4129



Telecommunication index (2/3)



- The telecommunication infrastructure index for country "x" is then the simple arithmetic mean of each of the five normalized indicators derived in this way:
- Telecommunication inrastructure index =
- Average
- (personal computer index)
 - + Internet user index
 - + telephone line index
 - + mobile subscription index
 - + fixed broadband index)



Human capital index (3/3)



- The human capital index is a composite of two indicators: adult literacy rate and the combined primary, secondary, and tertiary gross enrollment ratio.
- The two indicators were normalized by taking their values for a given country subtracting the lowest value for any country in the survey and dividing by the range of values for all countries. For example, if country "x" were to have an adult literacy rate of 66.8 per 100 inhabitants, with the lowest value of any country equal to 28.7 and the highest equal to 99.5, then the normalized value of this indicator for country "x" would be given by:
- Adult literacy index (country "x") = (66.8-28.7)/ (99.5-28.7)= 0.5381







- The human capital index for country "x" is then the weighted arithmetic mean of the two normalized indicators derived in this way with adult literacy assigned a weight of 0.6667 and gross enrollment 0.3333:
- Human capital index =
 - ²/₃ x adult literacy index +
 - 1/₃ × gross enrollment index





Supplementary e-participation index

- The e-participation questions expand the survey by emphasizing quality in the connected presence stage of egovernment, these questions focus on the use of the Internet to facilitate provision of information by governments to citizens ("e-information sharing"), interaction with stakeholders ("econsultation") and engagement in decision-making processes ("edecision making").
- A country's e-participation index value reflects how useful these features are and the extent to which they have been deployed by the government compared to all other countries. The purpose of this measure is not to prescribe any particular practice, but rather to offer insight into how different countries are using online tools to promote interaction between citizen and government, as well as among citizens, for the benefit of all.



Supplementary e-participation index



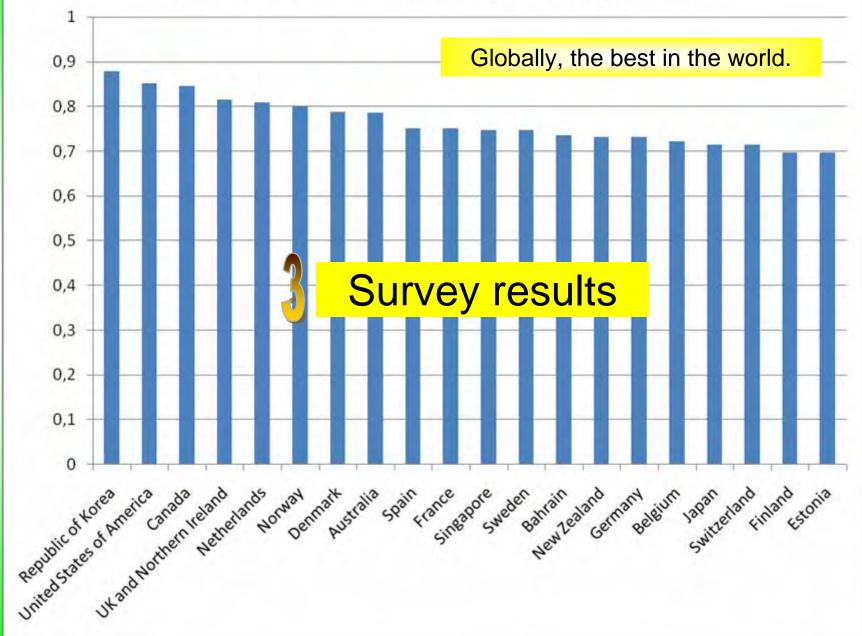
- The e-participation index calculated in this way is then normalized by taking their values for a given country subtracting the lowest value for any country in the survey and dividing by the range of values for all countries. For example, if country "x" were to have an e-participation s core of 30, with the lowest value of any country equal to 0 and the highest equal to 45, then the normalized index value for country "x" would be given by:
- E-participating index (country "x") =
- (30-0)/(45-0) = 0.6667



E-Government Development Index (Top 20 Countries)

Source: http://www2.unpan.org/egovkb/global_reports/10report.htm

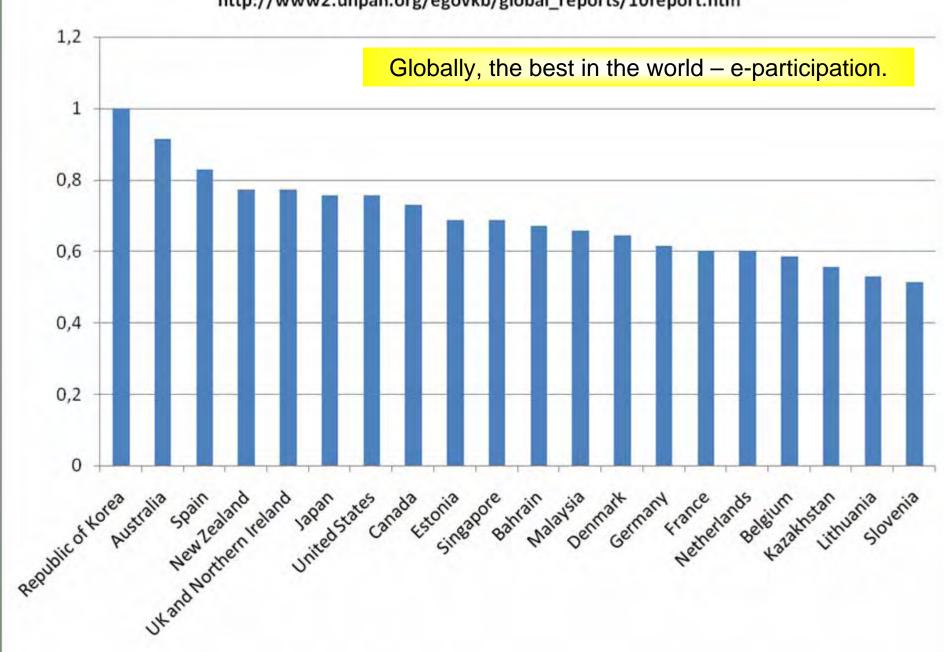






E-Participation Index (Top 20 Countries)

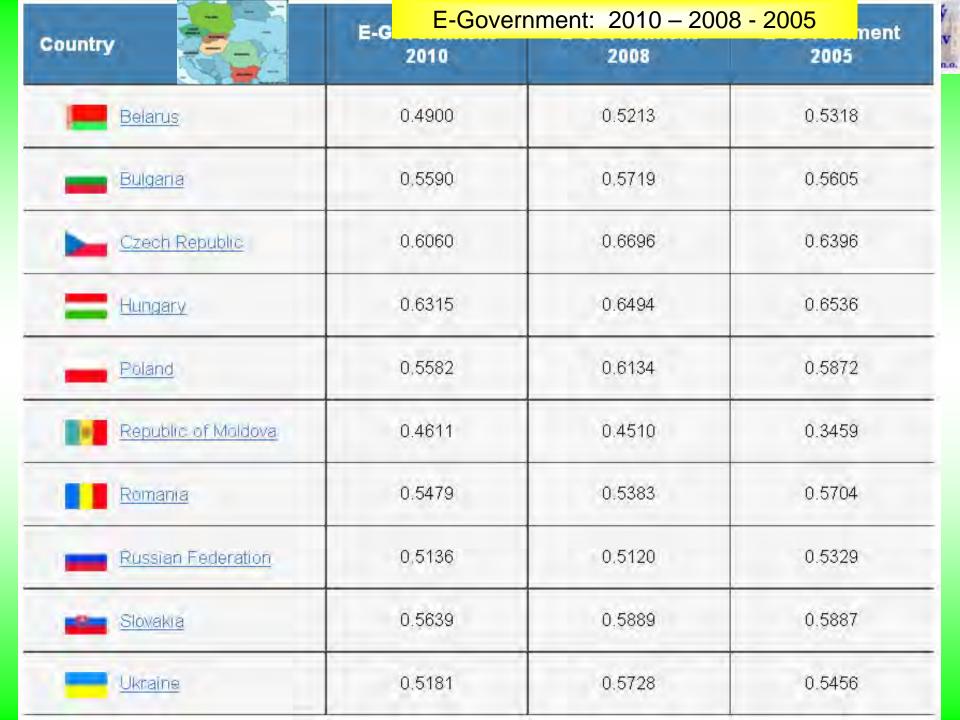
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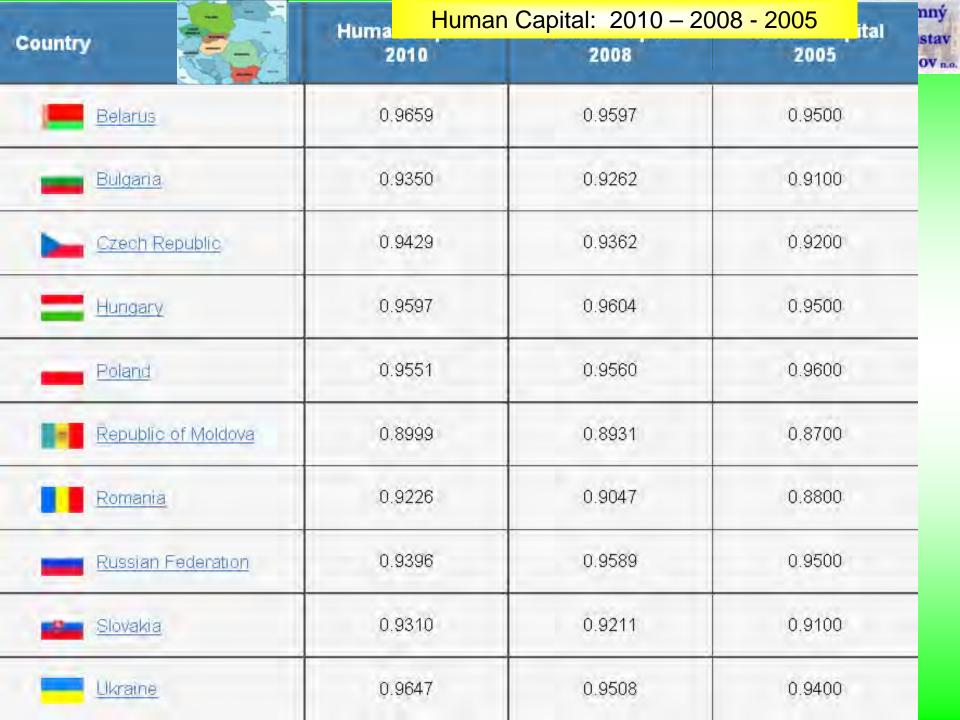
Country The best in the world progress	E-Government 2010	Rank 2010	Rank 2008	Rank Change	mný ústav ojov n.o.
The best in the world - progress Republic of Korea	0.8785	1	6	+5 🛖	
United States of America	0.8510	2	4	+2 🛖	
Canada	0.8448	3	7	+4 🍲	
United Kingdom of Great Britain and Northern Ireland	0.8147	4	10	+6 🎓	
<u>Netherlands</u>	0.8097	5	5	-	
Norway	0.8020	6	3	-3 -	
Denmark	0.7872	7	2	-5 ♣	
<u>Australia</u>	0.7863	8	8	-	
<u>Spain</u>	0.7516	9	20	+11 🛖	
France	0.7510	10	9	4.	

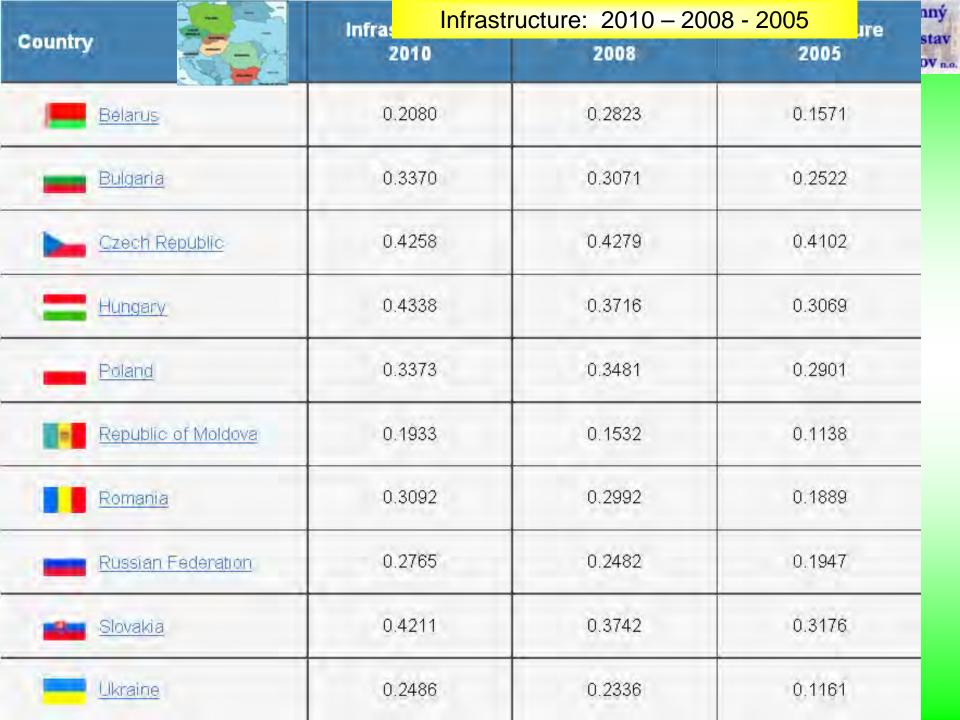


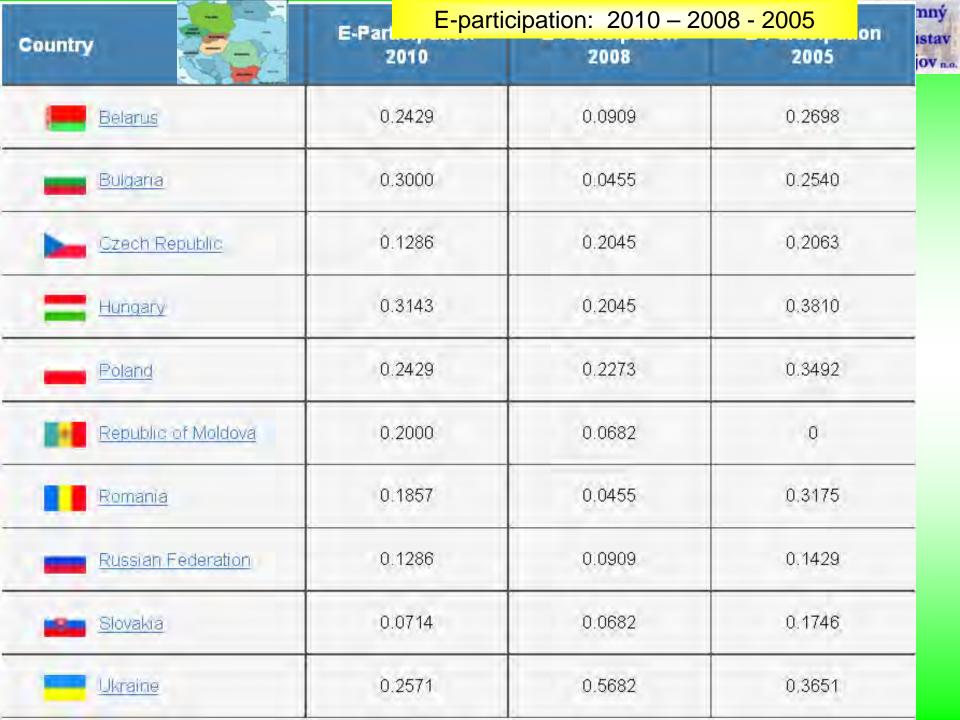














E-Government: Composites



Eastern Europe - Summary 2010

Country	Rank	E-Readiness Index	Web Measure Index	Human Capital Index	Infrastructure Index	E-Participation Index	
Belarus	64	0.4900	0.3016	0.9659	0.2080	0.2429	
Bulgaria Bulgaria	44	0.5590	0.4095	0.9350	0.3370	0,3000	
Czech Republic	33	0.6060	0.4540	0.9429	0.4258	0,1286	
Hungary Hungary	27	0.6315	0.5048	0.9597	0.4338	0.3143	
Poland	45	0.5582	0.3873	0.9551	0.3373	0.2429	
Republic of Moldova	80	0.4611	0.2952	0.8999	0.1933	0.2000	
Romania	47	0.5479	0.4159	0.9226	0.3092	0.1857	
Russian Federation	59	0.5136	0.3302	0.9396	0.2765	0.1286	
Slovakia	43	0.5639	0.3460	0.9310	0.4211	0.0714	
Ukraine	54	0.5181	0.3460	0.9647	0.2486	0.2571	

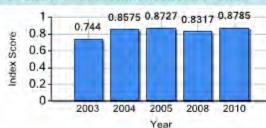
Korea vs UK





With permission from the United Nations Cyberschoolbus @ 2006

Country E-Government Index Trend



Country At-a-Glance

Website http://www.egov.go.kr

Region

Sub-region Eastern Asia

Income * High income

Population 46.14 million

E-Government Rank 1 out of 184

Country Data Comparison

Compare to: World Average

E-Government Index ?

Republic of Korea

0.879

World Average 0.441

Online Service Index ?

Republic of Korea 1.000

World Average

0,286

Infrastructure Index ?

Republic of Korea 0.639

World Average 0.236

Human Capital Index ?

Republic of Korea

0.993

World Average

0.797

Asia

E-Participation Index ?

Republic of Korea

1.808

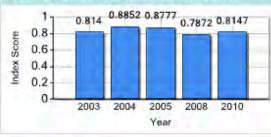
World Average 0.205

United Kingdom of Great Britain and Northern Ireland



IV th permission from the United Nations Cyberschoolbus @ 2006

Country E-Government Index Trend



Country At-a-Glance

Website http://www.direct.gov.uk Region Europe

Northern Europe Sub-region

Income * High income

Population 58.79 million E-Government Rank

Country Data Comparison Compare to: World Average

E-Government Index ?

and Northern Ireland 0.815

United Kingdom of Great B

World Average

0.441

Online Service Index ? United Kingdom of Great B and Northern Ireland

0.775

World Average

0.286

Infrastructure Index ? United Kingdom of Great B and Northern Ireland

World Average

0.236

0.716

Human Capital Index? United Kingdom of Great B

and Northern Ireland 0.954

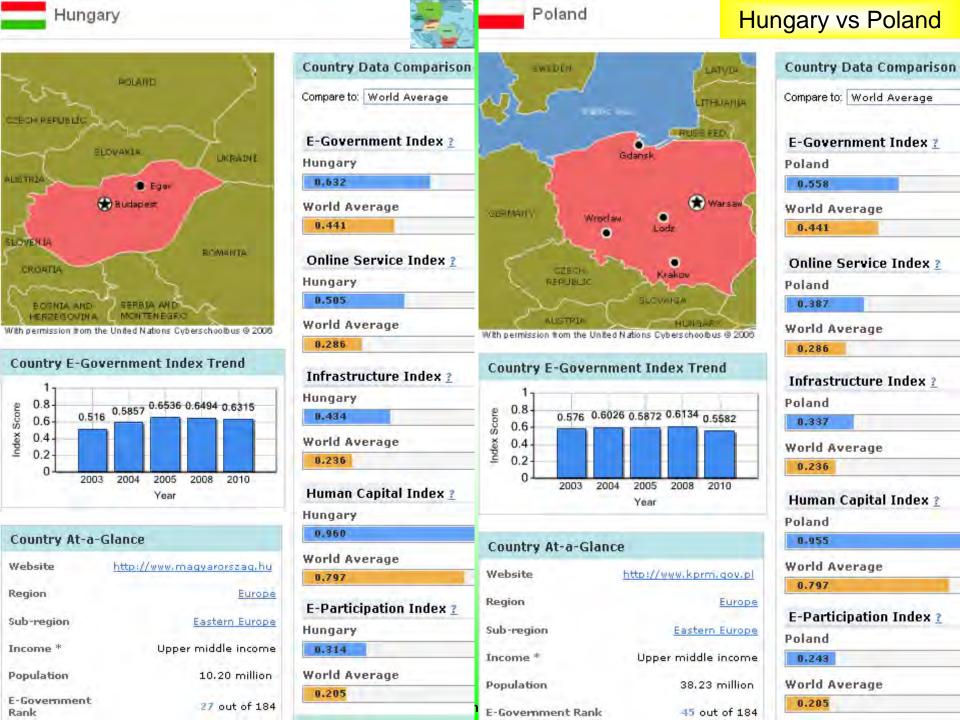
World Average 0.797

E-Participation Index ?

United Kingdom of Great B and Northern Ireland 0.771

World Average

4 out of 184 0.205

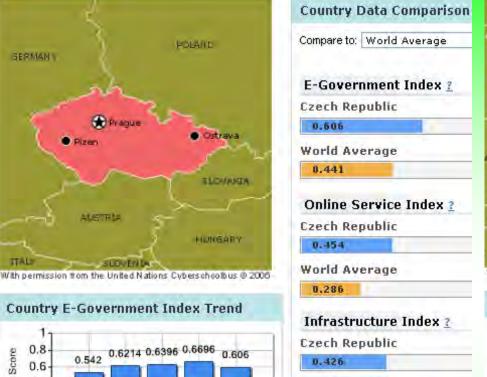


Czech Republic

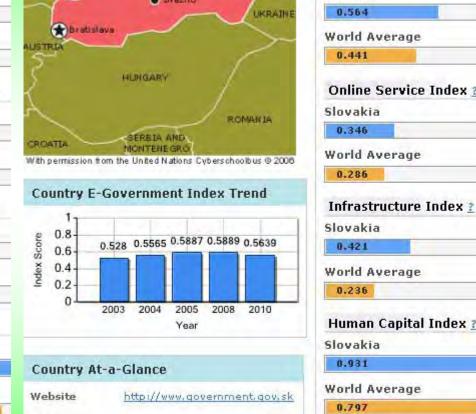


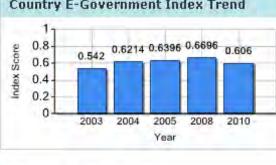
Slovakia

Czech R. vs Slovakia











Region

Sub-region

Income *

Population

E-Government Rank

Eastern Europe Upper middle income

Europe

10.23 million

0.797 E-Participation Index ?

Human Capital Index ?

World Average

Czech Republic

World Average

0.236

0.943

0.129

Czech Republic

World Average

Europe

Sub-region

Eastern Europe Upper middle income

0.071

World Average

33 out of 184

0.205

E-Government Rank

Region

Income *

Population

43 out of 184

5.38 million

0.205

Country Data Comparison Compare to: World Average

E-Government Index ? Slovakia

World Average

0.441

Online Service Index ? Slovakia

World Average 0.286

Slovakia

World Average

0.236

Human Capital Index ?

0.931

World Average

E-Participation Index ?

Slovakia



Strategic recommendations



- 1. Transparency. Initial investments in transparency required are quickly offset by the outcomes generated, such as increased savings and enhanced public trust.
- 2. Open data. By enacting open data principles, governments lay down the foundations that reduce the entry barriers for nongovernmental parties, thus allowing for the coproduction of public services at minimal costs for governments and taxpayers.



Strategic recommendations



- 3. User-centricity. The extent to which user-centricity is a component of each of the initiatives is a factor in its success. Here exists a nearly systematic discrepancy between the offer of e-government facilities and the actual take-up of the services offered. This indicates that, less than a technological issue, users' take-up depends ultimately on the extent to which services are able to effectively address their needs and preferences.
- **4. Innovation**. Although governments cannot easily afford to make mistakes, risk-aversion should not have the upper hand over innovation.



Strategic recommendations



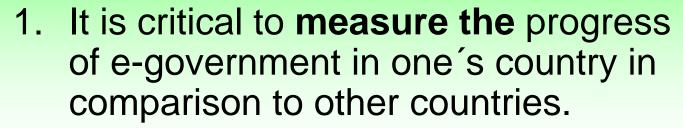
- 5. Out of crisis. E-government clearly has a potential role in alleviating the worst symptoms of the ongoing world financial crisis.
- 6. E-participation. E-government provides the public with an opportunity to have their views expressed. Whether governments take notice may be another matter, but the result will be increase in transparency and democratization.













2. UN **surveys** covering e-government in all the world are excellent source of this information.



3. A serious analysis of the data of UN survey in order to find better ways in building up e-government may accelate the e-government process.

